Contents of Volume 53

Identification of a novel transglutaminase from the filarial parasite Brugia malayi and its role in growth and development	
K. Mehta, U.R. Rao, A.C. Vickery and L. Fesus (USA, Hungary) Alternative splicing of the Schistosoma mansoni gene encoding a homologue of epidermal growth factor receptor	
C.B. Shoemaker, H. Ramachandran, A. Landa, M.G. dos Reis and L.D. Stein (USA, Mexico, Brazil) Surface epitope variation via mosaic gene formation is potential key to long-term survival of <i>Trypanosoma brucei</i>	17
S.M. Kamper and A.F. Barbet (USA)	33
Characterization of the gene encoding sporozoite surface protein 2, a protective <i>Plasmodium yoelii</i> sporozoite antigen	
W.O. Rogers, M.D. Rogers, R.C. Hedstrom and S.L. Hoffman (USA)	45
Comparative serological reactivity of <i>Taenia crassiceps</i> , <i>Taenia solium</i> and <i>Taenia saginata</i> metacestode neutral glycolipids to infection serum from <i>Taenia crassiceps</i> -infected mice?	
S. Baumeister, R.D. Dennis, J. Kunz, H. Wiegandt and E. Geyer (Germany)	53
DNA fingerprints: a tool for identification and determination of the relationships between species and strains of Leishmania	
A.M. Macedo, M.N. Melo, R.F. Gomes and S.D.J. Pena (Brazil)	63
Sulfate metabolism in Entamoeba histolytica	-
T. Bakker-Grunwald and B. Geilhorn (Germany) Characterisation of the secretory acetylcholinesterases from adult Nippostrongylus brasiliensis	7
C.C. Blackburn and M.E. Selkirk (UK)	79
Intramolecular mapping of Plasmodium falciparum P126 proteolytic fragments by N-terminal amino acid sequencing	
A. Debrabant, P. Maes, P. Delplace, JF. Dubremetz, A. Tartar and D. Camus (France)	89
Arginine metabolism during culture of Giardia intestinalis M.R. Edwards, P.J. Schofield, W.J. O'Sullivan and M. Costello (Australia)	97
Mimicry of elastin repetitive motifs by <i>Theileria annulata</i> sporozoite surface antigen	3.
R. Hall, P.D. Hunt, M. Carrington, D. Simmons, S. Williamson, R.P. Mecham and A. Tait (UK, USA)	105
Further characterization of interactions between gamete surface antigens of Plasmodium falciparum	
N. Kumar and B. Wizel (USA)	113
Leishmania tarentolae taxonomic relatedness inferred from phylogenetic analysis of the small subunit ribosomal RNA gene	
M.R.S. Briones, K. Nelson, S.M. Beverley, H.T. Affonso, E.P. Camargo and L.M. Floeter-Winter (Brazil, USA)	121
Random mating of natural Plasmodium populations demonstrated from individual oocysts	
R. Rosenberg, J. Rungsiwongse, S. Kangsadalampai, J. Sattabongkot, N. Suwanabun, S.C. Chaiyaroj and S.	400
Mongkolsuk (Thailand) Mechanisms of microenvironmental pH regulation in the cuticle of Ascaris suum	129
S.M. Sims, L.T. Magas, C.L. Barsuhn, N.F.H. Ho, T.G. Geary and D.P. Thompson (USA)	135
Isolation, sequence and differential expression of the p58 gene family of Babesia bigemina	
V.S. Mishra, T.F. McElwain, J.B. Dame and E.B. Stephens (USA)	149
Cloning and expression in <i>Escherichia coli</i> of cDNAs encoding a 31-kilodalton surface antigen of <i>Sarcocystis muris</i> KH. Eschenbacher, I. Sommer, H.E. Meyer, H. Mehlhorn and W. Rüger (Germany)	159
Cloning of the gene encoding Leishmania donovani S-adenosylhomocysteine hydrolase, a potential target for antiparasitic chemotherapy	
D.M. Henderson, S. Hanson, T. Allen, K. Wilson, D.E. Coulter-Karis, M.L. Greenberg, M.S. Hershfield and B. Ullman	
(USA)	169
Brefeldin A inhibits protein secretion and parasite maturation in the ring stage of <i>Plasmodium falciparum</i>	185
J.L. Crary and K. Haldar (USA) Utilization of a carbohydrate reserve comprised primarily of mannose by Leishmania donovani	100
F.P. Keegan and J.J. Blum (USA)	193
Regulation of hsp70 expression in Trypanosoma cruzi by temperature and growth phase	
J.M. Requena, A. Jimenez-Ruiz, M. Soto, R. Assiego, J.F. Santarén, M.C. Lopez, M.E. Patarroyo and C. Alonso	
(Spain, Colombia)	201
Characterisation of melarsen-resistant <i>Trypanosoma brucei brucei</i> with respect to cross-resistance to other drugs and trypanothione metabolism	
A.H. Fairlamb, N.S. Carter, M. Cunningham and K. Smith (UK)	213
The interaction of arsenical drugs with dihydrolipoamide and dihydrolipoamide dehydrogenase from arsenical	
resistant and sensitive strains of Trypanosoma brucei brucei	
A.H. Fairlamb, K. Smith and K.J. Hunter (UK)	223
Changes in the lateral diffusion of fluorescent lipid analogues in the surface membrane of adult male Schistosoma	
mansoni W.A. Sands and J.R. Kusel (UK)	233
Rapid and simple method for isolating malaria DNA from fingerprick samples of blood (Short Communication)	200
M. Foley, L.C. Ranford-Cartwright and H.A. Babiker (UK, Sudan)	241
Author Index	245
Subject Index	247
Contents of Volume 53	249

CONTENTS (continued from page 4 of cover)

Cloning of the gene encoding Leishmania donovani S-adenosylhomocysteine hydrolase, a potential target for antiparasitic chemotherapy	
D.M. Henderson, S. Hanson, T. Allen, K. Wilson, D.E. Coulter-Karis, M.L. Greenberg, M.S. Hershfield and B. Ullman (USA)	169
Brefeldin A inhibits protein secretion and parasite maturation in the ring stage of <i>Plasmodium falciparum</i> J.L. Crary and K. Haldar (USA)	185
Utilization of a carbohydrate reserve comprised primarily of mannose by <i>Leishmania donovani</i> F.P. Keegan and J.J. Blum (USA)	193
Regulation of hsp70 expression in <i>Trypanosoma cruzi</i> by temperature and growth phase J.M. Requena, A. Jimenez-Ruiz, M. Soto, R. Assiego, J.F. Santarén, M.C. Lopez, M.E. Patarroyo and C. Alonso (Spain, Colombia)	201
Characterisation of melarsen-resistant <i>Trypanosoma brucei brucei</i> with respect to cross-resistance to other drugs and trypanothione metabolism A.H. Fairlamb, N.S. Carter, M. Cunningham and K. Smith (UK)	213
The interaction of arsenical drugs with dihydrolipoamide and dihydrolipoamide dehydrogenase from arsenical resistant and sensitive strains of <i>Trypanosoma brucei brucei</i> A.H. Fairlamb, K. Smith and K.J. Hunter (UK)	223
Changes in the lateral diffusion of fluorescent lipid analogues in the surface membrane of adult male <i>Schistosoma</i> mansoni W.A. Sands and J.R. Kusel (UK)	233
Rapid and simple method for isolating malaria DNA from fingerprick samples of blood (Short Communication) M. Foley, L.C. Ranford-Cartwright and H.A. Babiker (UK, Sudan)	241
Author Index	245
Subject Index	247
Cobntents of Volume 53	249

